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PATENT
INSTITUT FRANCAIS DU PETROLE

**PROCESS AND APPARATUS FOR PURIFICATION OF RAW
GASOLINE FROM CATALYTIC CRACKING**

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ABSTRACT

The invention concerns a process and apparatus for treating raw gasoline from catalytic cracking to obtain gasoline with the qualities required for use as motor spirit.

The process comprises selective hydrogenation followed by stabilization and optional cooling of the effluent, then sweetening followed by degassing to obtain a dedienized, stabilized and sweetened gasoline.

The hydrogenation catalyst preferably comprises 0.1-1% of palladium deposited on a support.

Sweetening is preferably carried out on a solid catalyst containing an aluminosilicate of an alkali metal (for example sodalite), a metal chelate and activated charcoal.

The product from this process can be placed directly in the gasoline pool or, advantageously, fractionated to obtain one or more cuts which can be used as feeds for etherification.

Figure 1 to be published.

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